

1. Public Education and Outreach March 2005 to March 2006

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Website	IDOT created a link on it's website to the Environmental Office that includes the storm water brochure.	X			X		
IDOT Storm Water Brochure	IDOT has the storm water brochure available at IDOT District offices, Interstate rest areas and can be obtained from the IDOT Publications office.	X			X		
IDOT Storm Water Erosion Control Classes	IDOT continues it's effort to train staff regarding storm water erosion control practices.	X			X		
IDOT Adopt-A-Highway Program	The IDOT Adopt-A-Highway Program continues to be a popular cooperative program with communities and organizations.	X			X		

A. BMPs

I. General Summary

As stated in last year's report, educating the public about storm water pollution is one of the ways to reduce pollutants of concern in a storm system. IDOT will continue efforts with the contracting industry and staff with education regarding preventing storm water pollution. Opportunities to work with communities under the Adopt-A-Highway Program will continue. A storm water website link, needed educational materials and the IDOT Storm Water Pollution Brochure will evolve and be modified as needed.

II. Status of Goals

The Department is attempting to meet the overall goal of reducing pollutants of concern like litter and sediment from construction sites by implementing the adopt-a-highway program and construction operator training. The brochure should be evaluated next year to identify any needed modifications and determine how the brochure could be better utilized to educate the public, staff and contracting industry.

III. Appropriateness

The BMPs selected are all appropriate for a highway department such as IDOT. IDOT will continue to evaluate bmps to be added to the Public Education and Outreach Program through the term of the MS4 Permit.

IV. Effectiveness

The training of IDOT staff is an effective bmp to educate about pollutants of concern from highway projects. The Adopt-a-highway program is effective in that not only is a litter and debris removed from the IDOT system but also it provides communities and organizations the opportunity to be educated about what a significant pollutant of concern litter can become.

V. Proposed Modifications

The IDOT brochure should be re-examined to see if it needs to be updated.

B. Results of Information Collected and Analyzed.

During this reporting period 33,224 bags of litter were collected through the Adopt-A-Highway Program with approximately 900 groups participating. In addition 8 erosion control training sessions were held and 230 individuals were educated about storm water erosion control. Since adding the environmental link, there were 2300 hits to the IDOT Environmental Website link that contained the storm water information brochure.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Website	Number of hits to the environmental link.	x		Yes	Yes
IDOT Storm Water Brochure	Number of brochures distributed		x	Yes	Yes
IDOT Storm Water and Erosion Control Classes	Number of classes provided and number of participants.		x	Yes	Yes
IDOT Adopt-A-Highway Program	Number of groups participating, and amount of litter removed from the highways.		x	Yes	Yes

2. Public Involvement Program March 2005 to March 2006

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Adopt-A-Highway Program	IDOT will continue to involve the public to encourage hands on participation by communities and organizations to reduce the amount of litter which could end up in the storm system.	X			X		
Storm Water Discussions in Environmental Documents	IDOT does include a discussion of storm water impacts and measures to minimize impacts in most Environmental Impact Statements and Environmental Assessments. These documents are made available to the public and are available for review at Public Involvement meetings. IDOT's public involvement process is in compliance with Federal requirements for transportation improvements.	X				X	
IDOT Education Materials at Public Involvement Meetings.	IDOT will have the IDOT Storm Water Brochure titled "Storm Water Runoff Pollution" available at all public hearings.	X				X	

A. BMPs

I. General Summary

The public is encouraged to provide comments about a transportation improvements environmental impacts including storm water at all formal and informal public involvement meetings. The public can also send in a question about IDOT activities through the IDOT website "Contact Us" link.

II. Status of Goals

Goals were achieved for the adopt-a-highway program. It's unknown how many brochures were provided to the public nor how effective having a storm water discussion in environmental documents is for the public but that is the process IDOT uses to involve the public in pollution disclosure.

III. Appropriateness

All the bmps selected are appropriate for a highway department like IDOT. The Department is looking at utilizing a process termed "Context Sensitive Solutions" (CSS). This may be another method to better involve the public in storm water solutions.

IV. Effectiveness

The Adopt-a-Highway Program has resulted in substantial amounts of trash, tires, and debris being removed from areas that could have produced storm water pollution. The effectiveness of including a storm water discussion at public involvement meetings still needs evaluation but the CSS program may help this effort.

V. Proposed Modifications

Attempt to incorporate a storm water component into the IDOT Context Sensitive Solutions Program during the term of the permit.

B. Results of Information Collected and Analyzed.

See adopt-a-highway discussion under the Public Education Measures.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Determine how IDOT offices are conveying storm water information to the public.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Adopt-A-Highway Program	The number of groups participating and the amount of litter and debris removed.		x	Yes	Yes
Storm Water Discussions in Environmental Documents	The number of discussions in environmental documents.		x	Yes	Yes
IDOT Education Materials at Public Meetings	Amount of materials distributed		x	Yes	Yes

3. Illicit Discharge and Detection Program March 2005 to March 2006

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Storm Sewer Maintenance Program	IDOT's maintenance forces are responsible for detecting storm sewer failures, needed repairs, and illicit discharges along the highway system. This is accomplished as part of maintenance force duties to inspect storm water systems for failures, repairs and illicit discharges..	X			X		
IDOT Environmental Operational Reviews	IDOT is continuing in the effort to conduct Environmental Operational Reviews for all IDOT facilities. The purpose of the reviews is to identify any pollutants of concern and the storage of materials which may result in an illicit discharge from IDOT maintenance facilities.	X			X		
IDOT Storm Water Pollution Prevention Plans	IDOT requires the preparation of SWPPPs for all transportation improvements disturbing 1 acre or more of soil and requires implementation of the SWPPP to reduce any potential illicit discharges from occurring.	X			X		
IDOT Erosion Control Deficiency Deduction	IDOT includes an Erosion Control Deficiency Deduction in all highway contracts. This deduction serves as a sanction against any contractor who causes an illicit discharge.	X			X		
IDOT Storm Water Outfall Map	IDOT provided a preliminary outfall map on computer disc for review by IEPA.					X	
IDOT Funding for an Illicit Discharge Program.	There is no dedicated funding program for an illicit discharge program. Any monies spent on cleaning storm sewers of pollutants of concern comes from the general highway operations budget.	X				X	
Hazardous Material Spills Procedures	IDOT developed procedures for hazardous waste spills. The procedures provide requirements for response contacts and cleanup efforts.	X			X		
IDOT and Department of Corrections Litter Program	IDOT in a joint venture with the Illinois Department of Corrections picks up trash and debris in the highway drainage system which might become pollutants of concern.	X			X		

A. BMPs

I. General Summary

The Illicit discharge and Elimination measures have activities that have been in place prior to the start of the ILR 40 MS4 Permit term. Hazardous materials spills along the highway system have been responded to, cleaned up, and responsible parties identified. IDOT will continue efforts on the environmental operational reviews and identify efforts to refine the storm system outfall map with input from IEPA.

II. Status of Goals

The goals for the erosion control deficiency deduction, SWPPPs, hazardous materials spills procedures, environmental operational reviews, and IDOT/DOC litter and debris removal program have been met. The Department will revisit the storm sewer outfall map issue as well as improving efforts to coordinate an illicit discharge program by maintenance forces by the fifth year of the permit term.

III. Appropriateness

All bmps selected are appropriate for a highway department such as IDOT.

IV. Effectiveness

The use of SWPPs in all contracts, and the implementation of the erosion control deficiency deduction is an enforcement tool, will help reduce potential for illicit discharges to occur off construction sites. Continuing monitoring of the highway storm system by department maintenance forces will also help reduce any illicit discharges. Illicit discharge measures will also coordinate with aspects of the Public Education and Outreach element to educate the public on proper waste disposal and elimination of illicit discharges.

V. Proposed Modifications

Modifications are needed to the storm water outfall map, the storm sewer maintenance program and dedicated funding for the illicit discharge program.

B. Results of Information Collected and Analyzed.

IDOT conducted 20 Environmental Operational Reviews for Maintenance Facilities. In Fiscal Year 2005, IDOT spent \$6.7 million on storm sewer activities such as sewer, culvert, and inlet cleaning. IDOT forces spent \$4.2 million removing trash and litter from the highways that could have found their way into the storm system.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Identify IDOT procedures needing revision for storm system maintenance, develop an outline for an illicit discharge program, and work toward dedicated funding for an Illicit Discharge Program.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Storm System Maintenance Program	Amount of dollars spent on trash and debris removed from the system on an annual basis.		x	Yes	Yes
IDOT Environmental Operational Reviews	The number of operational reviews conducted annually.		x	Yes	Yes
IDOT SWPPPs	The number of SWPPPs prepared.		x	Yes	Yes
IDOT Deficiency Deduction	Included in all contracts.		x	Yes	Yes
IDOT Funding for Illicit Discharge Program	The dollar amount spent annually to maintain the highway storm system.		x	Yes	Yes
IDOT hazardous Materials Procedures	Distribution of procedures to all Highway District Offices.		x	Yes	Yes
IDOT/DOC Litter Program	The amount of dollars spent annually.		x	Yes	Yes

4. Storm Water Erosion Control Program March 2005 to March 2006

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Erosion Control Inspectors Checklist	The purpose of this bmp is to assist the IDOT inspectors with installing storm water erosion control bmps.	X			X		
IDOT Storm Water Pollution Prevention plan Form.	All transportation improvements that result in the disturbance of 1 acre or more are required to have a SWPPP/Erosion Control Plan included in all contracts.	X			X		
IDOT Standards and Specifications for Temporary and Permanent Erosion Control Practices	IDOT has developed a number of specifications for erosion control bmps. The IDOT practices are equivalent to the practices found in the Illinois Urban manual.	X			X		
Erosion Control Training for IDOT Staff and the Highway Construction Industry.	IDOT conducts storm water erosion control training for IDOT planners, designers, construction and maintenance staff. IDOT also works with the contracting industry in various training ventures.	X			X		
IDOT Erosion Control Deficiency Deduction	The purpose of the deficiency deduction is to provide a sanction mechanism for contract erosion control deficiencies.	X			X		
IDOT Erosion Control Pre-construction Meeting Form.	IDOT has developed a form that is used to organize the installation of erosion control practices for highway improvements. This form is used by IDOT resident Engineers and the contractor to ensure understanding of the implementation of the plan.	X			X		
IDOT/Illinois Transportation Builders association Working Group.	The working group is organized to identify strategies to better implement the requirements of the ILR 10 and ILR 40 Permits.	X			X		
IDOT Procedures for receipt and Consideration of Information Submitted by the Public.	IDOT has established procedures for obtaining public input for a construction project. The public input occurs during the public involvement phase of a project.	X			X		

A. BMPs

I. General Summary

The third year of the Construction Site Storm Water Control Measure continued the staff education efforts to stress the importance of reducing storm water impacts through the use of sound construction erosion control bmps. All construction plans continue to include erosion control plans and the department is striving to add and/or improve bmps for erosion control. For example, IDOT added the use of Turf Reinforcement Mats, Georidge and the use of inlet filter baskets as bmps. In addition the use of emulsified asphalt as a mulch tackifier was eliminated from the IDOT specifications, The use of the more environmentally friendly compost and performance additive were introduced to replace emulsified asphalt tackifier.

II. Status of Goals

Goals have been met.

III. Appropriateness

All the bmps selected are appropriate for implementation by the Department.

IV. Effectiveness

The bmps should be very effective in reducing storm water pollution from construction sites.

V. Proposed Modifications

None for this year.

B. Results of Information Collected and Analyzed.

The Department spent \$4.3 million on temporary erosion control practices and \$13.4 Million on permanent practices in this reporting period. Temporary practices included perimeter barriers, ditch checks, inlet protections, and temporary seeding. Permanent practices included riprap, seeding, sodding, erosion control blankets, turf reinforcement mats, mulch, and aggregate ditches. 8 erosion control training sessions were conducted with 230 individuals trained.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

IDOT is studying developing an approved erosion control ditch check approved products list as a bmp.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
Inspectors Checklist	Number of checklists available to construction staff.		x	Yes	Yes
IDOT SWPPP Form	Included in all contracts.		x	Yes	Yes
IDOT Erosion Control Standards	Included in all contracts.		x	Yes	Yes
IDOT Erosion Control Training	Number of classes and number of individuals trained.		x	Yes	Yes
IDOT/ Road Builders Working Group	Number of Meetings held to address issues.		x	Yes	Yes
IDOT Erosion Control Deficiency Deduction	Include in all contracts.		x	Yes	Yes
IDOT Erosion Control Pre-Construction Meeting Form	Number of forms used for all preconstruction meetings.		x	Yes	Yes
IDOT Procedures for Public Input.	Number of Public Meetings.		x	Yes	Yes

5. Post Construction Monitoring Program March 2005 to March 2006

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Procedures for Maintenance of Post-Construction Storm Water Controls	IDOT's Post –Construction Storm Water Management of IDOT's projects is accomplished by maintaining permanent storm water controls. IDOT has not yet developed procedures and bmps.			X		X	
Identify the type of post-construction monitoring that is performed by IDOT forces.	The Department has a Maintenance Management (MMIS) system data base that can track post-construction monitoring and maintenance of post-construction controls.	X					
Vegetation practices such as the use of salt tolerant sod, tree seedling planting program and IDOT tree replacement policy.	IDOT continues to have a number of roadside vegetation programs to help facilitate the intent of the post –construction program. In areas adjacent to roadways, where concentrations of salt may occur, salt tolerant sod and/or grass seed is planted. IDOT continues its partnership with the Department of Natural Resources in the tree seedling and prairie grass planting program. In addition, IDOT continues to implement the IDOT tree replacement Policy that replaces trees removed as a result of construction activity.	X			X		

A. BMPs

I. General Summary

The monitoring of post-construction storm water bmps is performed for the most part by IDOT maintenance forces. IDOT still needs to develop procedures to identify specific procedures and bmps for the post –construction program.

II. Status of Goals

The goals of utilizing salt tolerant sods, seedling planting and reforestation have been met. The MMIS data base can be used to determine types of maintenance activities and dollars spent on the highway storm system. No formal procedures have yet been developed for post –construction monitoring .

III. Appropriateness

All the bmps selected are appropriate for a highway department such as IDOT.

IV. Effectiveness

The vegetation management programs have been effective in reducing runoff, erosion, and pollutants of concern.

V. Proposed Modifications

Evaluate the MMIS system and determine if modifications can be made to identify all post construction monitoring bmps and activities. The new IDOT Context Sensitive Solutions(CSS) Program will also be evaluated to identify opportunities to include post-construction bmps as part of the CSS initiative.

B. Results of Information Collected and Analyzed.

For this reporting period, IDOT planted 100,000 tree seedlings, 200,000 shrub seedlings, 1.3 million prairie plants, and over 500 pounds of native grass and wildflower seeds. In addition, IDOT planted approximately \$2.5 million of salt tolerant seed and sod along the roadsides. IDOT spent \$6.7 million for post-construction monitoring and maintenance activities for the storm system.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Attempt to identify procedures and additional bmps for post-construction monitoring.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Post-Construction Procedures	Develop a procedure memorandum for post-construction monitoring		x	No	No
Use the MMIS system to track post-construction monitoring.	Annual dollars spent on post construction program.		x	Yes	Yes

6. Pollution Prevention / Good Housekeeping Program March 2005 to March 2006

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
Environmental Operational Reviews for IDOT Facilities	IDOT continued in the effort to conduct environmental operational reviews for all facilities. The reviews targeted improving the Good Housekeeping measures required in the ILR 40 permit. These reviews identify potential areas of concern such as disposal of waste, storm sewer impacts, storage and handling of materials and vehicle maintenance.	X			X		
Covered Salt Domes	All IDOT facilities which store salt for winter storms utilize domes over storage areas.	X			X		
IDOT Training for Pesticides	IDOT requires training and certification for all employees engaged in the handling and application of pesticides.	X			X		
IDOT Operational Review Training Seminars	IDOT conducted training for IDOT staff in all highway districts based on the environmental operational reviews.	X			X		
Hazardous Material Contract	IDOT has a contract with a certified hazardous materials contractor to pick up hazardous materials at IDOT facilities. The materials are picked up on a quarterly basis.	X			X		
Inlet Filters	IDOT has employed the use of inlet filters at a number of maintenance facilities to trap fines and oils that might be discharged through the storm drain system.	X			X		
Removal of Debris and Sediment from the Storm Water Conveyance System	IDOT removes sediment and debris from the highway storm system on an as needed basis.	X			X		

A. BMPs

I. General Summary

IDOT continues to move forward in conducting the environmental operational reviews for all facilities as the reviews are the key to success of the good housekeeping measures. Pollutants of concern have been identified as a result of the reviews and by the fifth year of the permit an overall plan should emerge from this effort. The Department is attempting to identify better practices as part of the plan. Highway maintenance staff are responsible for drain inlet cleaning and structural control maintenance to ensure they are working properly. IDOT staff also were trained in how to identify potential pollution problems at IDOT facilities.

II. Status of Goals

The Department is moving toward completing all operational reviews of facilities. The goals of having covered salt storage and hazardous materials pickup have been met. IDOT is working toward realization of an overall plan for the Good Housekeeping Program.

III. Appropriateness

The current control measures and the operational reviews appear appropriate to assist IDOT in reducing potential storm water pollution.

IV. Effectiveness

IDOT is still conducting operational reviews for facilities. Once completed, IDOT will have procedures in place to better quantify the effectiveness of future bmps.

V. Proposed Modifications

None at this time.

B. Results of Information Collected and Analyzed.

IDOT conducted 9 training sessions for IDOT staff at maintenance facilities based on the operational reviews. IDOT has completed more than 90 operational reviews so far. 15 pesticide training sessions were conducted for IDOT staff with approximately 250 individuals trained.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Develop an outline for an Environmental Management System (EMS) to track pollutants of concern in order to develop an overall plan and provide additional training. IDOT is beginning the pilot EMS in its District Office in Collinsville.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
Environmental Operational Reviews	Perform additional operational reviews.		x	Yes	Yes
Covered Salt Storage Areas.	Have all maintenance storage areas covered.		x	Yes	
IDOT Pesticide Training	Train all employees who use and handle pesticides.		x	Yes	Yes
IDOT Training for Maintenance Facilities	Conduct training seminars in each highway district.		x	Yes	Yes
Hazardous Materials Contract	Number of times annually materials are picked up from IDOT facilities		x	Yes	Yes
Inlet Filters	Number of inlet filters employed annually at IDOT facilities.		x	Yes	Yes
Removal of Debris from Storm Water Conveyance System	The amount dollars spent annually.		x	Yes	Yes